AIMS 2008

2nd Annual Conference, 1st-3rd July 2008, Jacobs University Bremen, Germany

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EMANICS

JACOBS UNIVERSITY

Lecture Notes in Computer Science
LNCS · LNAI · LNBI

Technical Program Chairs

David Hausheer
(University of Zurich)
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PhD Workshop Chairs

Lisandro Granville
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Aiko Pras
(University of Twente)

Tutorials and Keynotes

Arosha Bandara
(The Open University)

Resilient Networks and Services

Description

The International Conference on Autonomous Infrastructure Management and Security (AIMS) is a highly interactive single-track event integrating

- conference paper sessions of mature research
- tutorials (included in the registration fee)
- PhD workshop discussing early/ongoing research
- keynotes that make you (re)think in different ways

The goal of AIMS is to look beyond borders and to stimulate the exchange of ideas across different communities and in particular among PhD students.

Location

Jacobs University Bremen is a highly selective, private institution for the advancement of education and research. The green campus located in the city of Bremen has ideal meeting facilities and can host a large number of people during the summer on campus.

Registration

The registration for AIMS 2008 includes a copy of the paper proceedings, access to all tutorials, lunch during the three conference days, coffee breaks, and the social event. To register, you have to fill out an online registration form at **www.aims2008.org**.

Rate	Amount
Early bird (until June 2nd)	200.- Euro
Normal (after June 2nd)	250.- Euro

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Technical Program

Tuesday, 01 July 2008	
09:00	Welcome
09:15	**Keynote**
10:45	Coffee Break
11:00	**Session 1: Network Traffic Engineering and Analysis**
12:00	Lunch Break
14:00	**Session 2: Autonomy, Incentives and Trust**
15:30	Coffee Break
16:00	**Tutorial 1** · **Tutorial 2**
17:30	End of Day 1
19:00	Excursion

Wednesday, 02 July 2008	
09:00	**Session 3: Overlays and Virtualization**
10:30	Coffee Break
10:45	**Tutorial 3** · **Tutorial 4**
12:15	Lunch Break
14:00	**PhD Tutorial**
14:40	**PhD Session 1**
15:40	Coffee Break
16:00	**PhD Session 2**
17:40	**Poster Session**
18:00	End of Day 2
18:30	Social Event

Thursday, 03 July 2008	
09:00	**Session 4: Load Balancing and Fault Recovery**
10:30	Coffee Break
10:45	**Session 5: Convergent Behavior**
11:45	Closing
12:00	Lunch Break
14:00	**Tutorial 5** · **Tutorial 6**
15:30	End of Day 3

# www.aims2008.org

Keynote

Robust Network Operations: Adaptation and Control
Simon Leinen (Swiss Education and Research Network, SWITCH) will discuss various network engineering and management practices tried at SWITCH and identify management tools they find useful.

Tutorials

T1: Next Generation Network: Networking Virtualization
Prof. Omar Cherkaoui (University of Quebec) provides an introduction to virtualization techniques with a focus on the emerging trend to virtualize routers and complete networks.
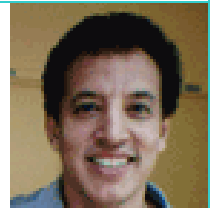
T2: Traffic Measurement: Methods, Challenges, Experience
Prof. James Won-ki Hong (POSTECH) introduces methods for measuring Internet and enterprise network traffic and discusses research activities and challenges in traffic measurement and analysis.
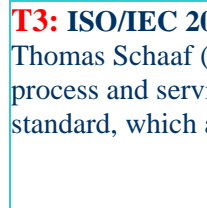
T3: ISO/IEC 20000: Striving for Resilient IT Services
Thomas Schaaf (University of Munich) presents the basics of process and service management according to the ISO/IEC 20000 standard, which aligns with the IT Infrastructure Library (ITIL).

T4: Promise Theory - A Practical Introduction
Prof. Mark Burgess (University College Oslo) introduces the main concepts of promise theory, a technique to describe relationships between key system components and how promise theory can be used to model system behaviour.
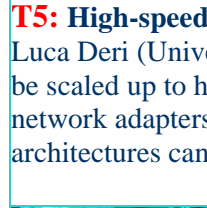
T5: High-speed Passive Packet Capture and Filtering
Luca Deri (University of Pisa) presents how packet capturing can be scaled up to handle 1Gbit network links using commodity network adapters and to which extend recent multicore CPU architectures can scale to handle 10Gbit network links.

T6: Grid Resource Management
Prof. Jörn Altmann (International University) reviews the current state of the art in Grid architectures and then proposes a new architecture, which is based on an economic-enhanced Grid resource management.